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| 09/755,740 | 01/05/2001 | Bob Lord | PD99-2930 | 3744 |

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EXAMINER

NGUYEN, LE V

| ART UNIT | PAPER NUMBER |
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2174

DATE MAILED: 12/15/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/755,740

Applicant(s)

LORD ET AL.

Examiner

Le Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 September 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This communication is responsive to Amendment A, filed 9/22/03.
2. Claims 1-22 are pending in this application. Claims 1, 13, 20 and 27 are independent claims. Claims 1, 13, 20 and 27 have been amended. This action is made Final.
3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 102

4. Claims 1-27 are rejected under 35 U.S.C. 102(e) as being anticipated by Banning (US 6,380,957 B1).

As per claim 1, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically related objects, wherein a viewable subset of the objects is displayed on a display device connected to the client computer in the form of a navigable pane on the display device, the system comprising a tree descriptor array comprising information describing each of the objects to be displayed in the navigation pane, a tree descriptor string comprising information describing a hierarchical structure of expanded nodes in the tree wherein the tree descriptor array and the tree descriptor string are sent from the server to the client computer and wherein the tree descriptor string comprises a list of only those nodes which are to be expanded and displayed on the display device wherein the tree descriptor string comprises a list of only those nodes which are to be expanded and displayed on the display device (col. 5, line 5 through col. 6, line 24; col.

7, line 37 through col. 8, line 6; figs. 4B-4C; col. 7, lines 14-25; *a representation of TDA and TDS and rendered in pane 104 as a tree view, displaying nodes which are to be expanded and displayed wherein TDS comprises a list of only those nodes which are to be expanded and displayed by such methods as limiting the amount of expansion to a certain number of siblings).*

As per claims 2 and 3, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically related objects, wherein a viewable subset of the objects is displayed on a display device connected to the client computer in the form of a navigable pane on the display device, the system including a managed object list comprising an entry for each of a plurality of managed objects in the navigable tree and a view list comprising a plurality of indicia of object data record, each of which represents a child of one of the managed objects corresponding to an entry in the managed object list wherein each of the entry in the managed object list comprises indicia of an entry in the view list and wherein each one of the object data record include information comprising an inherent Universal Identifier for the object to which a given one of the indicia of object data records corresponds and a Universal Identifier for the parent of the object to which a given one of the indicia of object data records corresponds (fig. 4B; *Network 112 contains more than one managed objects with a list of objects specific to a managed object such as "Fs1", "Fs3" and "Share" wherein an identifier for each node, parent or child, is inherent for referencing purposes).*

As per claim 4, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically related objects, wherein a viewable subset of the objects is displayed on a display device

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connected to the client computer in the form of a navigable pane on the display device, the system wherein the tree descriptor array comprises information for each object in the viewable subset of the objects to be displayed, including a Universal Identifier of the object, a first index indicating the relative position of the object in the navigable tree, at which a tree segment starts and a second index indicating the relative tree position of the object from its managed object (figs. 4B; *rendered in pane 104 is a view of a tree with objects 112, 114 and Fs1 being in a position relative to each other and reflecting the relationship relative to each other wherein the index of each object is inherent for addressing purposes and wherein an identifier for each node, parent or child, is inherent for referencing purposes*).

As per claims 5 and 6, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically related objects, wherein a viewable subset of the objects is displayed on a display device connected to the client computer in the form of a navigable pane on the display device, the system wherein the tree descriptor array comprises a first string indicating whether the object is expandable and a second string indicating whether the object is presently expanded wherein the tree descriptor string further comprises a representation of the hierarchical structure of open containers in the part of the tree that is being displayed (col. 2, lines 6-24; figs. 4B-4C *a representation of TDA, rendered in pane 104 as a view of a tree, with indicators '+' and '-'*).

As per claim 7, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically related objects, wherein the tree descriptor string further comprises indicia of the location of a cursor on the display device (col. 4, lines 23-24).

As per claim 8, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically related objects, wherein the tree descriptor string further comprises indicia of the state of nodes in the displayed segment of the navigation tree including whether a node comprising a folder is open (col. 2, lines 6-24; figs. 4B-4C *with indicators '+' and '-'*).

As per claims 9 and 10, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically related objects, wherein the client computer uses information in the tree descriptor string to render a view that includes one said expanded nodes and wherein the client computer uses information in the tree descriptor array to render a view that includes the expandable nodes which are to be expanded (figs. 4B-4C; *depicted are elements 112, 114, 116 and 118, which are expanded, and elements "3 1/2 Floppy [A:]" and "Hard drive [C:]", which are to be expanded*).

As per claim 11, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically related objects, wherein, in response to a user of the client computer clicking on one of the expandable nodes, the client computer sends information via the tree descriptor string to the server identifying the node to be expanded (col. 6, line 48 through col. 7, line 13).

As per claim 12, Banning teaches a system for transferring information in a computer network from a server to a client computer, the information including a plurality of hierarchically related objects, wherein the list contained in the tree descriptor string contains a list of those expandable nodes which are to be expanded and displayed on the display device (fig. 4B; *element "Fs2" of "Network" node*).

Claims 13, 20 and 27 are individually similar in scope to claim 1 and are therefore rejected under similar rationale.

Claims 14 and 15 in combination is similar in scope to the combination of claims 2 and 3 and is therefore rejected under similar rationale.

Claims 16 and 21 are individually similar in scope to claim 4 and are therefore rejected under similar rationale.

Claims 17 and 22 are individually similar in scope to claim 5 and are therefore rejected under similar rationale.

Claims 18 and 23 are individually similar in scope to claim 6 and are therefore rejected under similar rationale.

Claims 19 and 24 are individually similar in scope to claim 7 and are therefore rejected under similar rationale.

Claim 25 is similar in scope to claim 8 and is therefore rejected under similar rationale.

Claim 26 is similar in scope to claim 11 and is therefore rejected under similar rationale.

Response to Arguments

5. Applicant's arguments filed in Amendment A have been fully considered but they are not persuasive.

Applicant argued the following:

Banning is silent on the manner of transferring tree information from a server to a client.

The Examiner disagrees for the following reasons:

Banning does teach a method of transferring tree information from a server to a client via components depicted in fig. 3 such as modem 92, serial controller 88 and network adapter 90 to a LAN 94 with several computers working dually in a server and client role of a shared work environment (figs. 2-3; col. 5, lines 28-61).

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Inquires

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lê Nguyen whose telephone number is (703) 305-7601. The examiner can normally be reached on Monday - Friday from 5:30 am to 2:00 pm (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid, can be reached on (703) 308-0640.

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The fax numbers for the organization where this application or proceeding is assigned are as follows:

(703) 746-7238 [After Final Communication]

(703) 872-9306 [Official Communication]

(703) 746-7240 [For status inquiries, Draft Communication]

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Lê Nguyen
Patent Examiner
December 7, 2003

Kristine Kincaid
KRISTINE KINCAID
SUPERVISORY PATENT EXAMINER
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